Please carefully read and save these instructions before attempting to assemble, maintain, install, or operate this product. Observe all safety information to protect yourself and others. Failure to observe the instructions may result in property damage and/or personal injury. Please keep instructions for future reference.

Important Operating Instructions

4 1/2 INCH ANGLE GRINDER

Model: 7361

CALIFORNIA PROPOSITION 65

WARNING: You can create dust when you cut, sand, drill or grind materials such as wood, paint, metal, concrete, cement, or other masonry. This dust often contains chemicals known to cause cancer, birth defects, or other reproductive harm. Wear protective gear.

WARNING: This product or its power cord may contain chemicals, including lead, known to the State of California to cause cancer and birth defects or other reproductive harm. Wash hands after handling.

CAUTION:

FOR YOUR OWN SAFETY READ INSTRUCTION MANUAL COMPLETELY AND CAREFULLY BEFORE OPERATING THIS 4-1/2" ANGLE GRINDER

SPECIFICATIONS

Model: 07361
Voltage: 120 AC
Cycle: 60Hz, single phase
Power: 6 Amps
Wheel Size: 4 1/2"
No Load Speed: 10500 RPMs

ACCESSORIES

Spanner: 1pc
Auxiliary handle: 1pc
Instruction manual: 1pc

GENERAL SAFETY RULES WARNING!

Please read and understand all instructions. Failure to follow all instructions listed below may result in electric shock, fire and/or serious personal injury.

SAVE THESE INSTRUCTIONS

Work Area

1.Keep your work area clean and well lit. *Cluttered benches and dark areas could cause accidents.*

2.Do not operate power tools in explosive atmospheres such as near flammable liquids, gases, or dust. *Power tools create sparks which may ignite the dust or fumes.*

3.Keep bystanders and children away while operating a power tool. *Distraction can cause you to loose control.*

Electrical Safety

1. Power tool plugs must match the outlet. Never modify the plug in any way. *Do not use any adapter plugs with earthed (grounded) power tools. Unmodified plugs and matching outlets will reduce risk of electric shock.*

2. Avoid body contact with grounded surfaces such as pipes, radiators, ranges and refrigerators. *There is an increased risk of electric shock if your body is grounded.*

3. Don't expose power tools to rain or wet conditions. *Water entering a power tool will increase the risk of electric shock.*

For warranty purchases, please keep your dated proof of purchase. File or attach to the manual for safekeeping.

4.Do not abuse the cord. Never use the cord to carry the tools or pull the plug from an outlet. *Keep the cord away from heat, oil, sharp edges or moving parts. Damaged cords should be replaced immediately by qualified repair personnel. Damaged cords will increase the risk of electric shock.*

5.When operating a power tool outside, use an outdoor heavy duty extension cord and use in conjunction with a residual current device (RCD).

6.If operating a power tool in a damp location is unavoidable, use a residual current device (RCD) protected supply. *Use of an RCD reduces the risk of electric shock and is recommended for use with a rated residual current of 30 mA or less.*

Personal Safety

1.Stay alert, watch what you are doing and use common sense when operating a power tool. *Do not use the tool while tired or under the influence of drugs, alcohol, or medication. A moment of inattention while operating power tools may result in serious personal injury.*

2. Dress properly. Do not wear loose clothes or jewelry. *Pull back long hair. Keep your hair, clothes, and gloves away from moving parts.*

3. Avoid accidental starting. Be sure switch is off before plugging the tool in. *Carrying tools with your finger on the switch or plugging in tools that have the switch on can cause accidents.*

4. Remove adjusting keys or wrenches before turning the tool on. *A wrench or a key that is left attached to a rotating part of the tool may result in personal injury.*

5. Do not overreach. Keep proper footing and balance at all times. *Proper footing and balance enable better control of the tool in unexpected situations.*

6. Use safety equipment. Always wear eye protection. *Dust mask, non-skid safety shoes, hard hat, or hearing protection must be used for appropriate conditions. Ordinary eye or sun glasses are NOT suitable for eye protection.*

Tool Use and Care

1. Use clamps or another practical ways to secure and support the work piece to a stable platform. *Holding the work piece by hand or against your body is unstable and may lead to loss of control.*

2. Do not force the tool. Use the correct tool for your application. *The correct tool will do the job better and safer at the rate for which it is designed.*

3.Do not use the tool if the switch cannot be turned on or off. *Any tool that cannot be controlled with the switch is dangerous and must be repaired before use.*

4.Disconnect the plug from the power source before making any adjustment, changing accessories, or storing the tool. *Such preventive safety measures can reduce the risk of starting the tool accidentally.*

5.Store idle tools out of reach of children or other untrained persons. *Tools are dangerous in the hands of untrained users.*

6.Maintain tools with care. Keep the cutting tools sharp and clean. *Properly maintained tools with sharp cutting edges are less likely to bend or become damaged and are easier to control.*

7.Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the tools operation. *If damaged, have the tool serviced before using. Many accidents are caused by poorly maintained tools.*

8.Some accessories suitable for one tool may become hazardous when used on another tool. *Please check all accessories to be used are created for the tool being used.*

Service

1.Tool service must be performed only by qualified repair personnel. *Service or maintenance performed by unqualified personnel could result in a risk of injury.*

2.When servicing a tool, use only identical replacement parts.

SPECIFIC SAFETY RULES

1.Always use proper guard with grinding wheel. *A guard protects operator from broken wheel fragments.*
2. Accessories must be rated for at least the speed recommended on the tool warning label. *Wheels and other accessories running over rated speed can fly apart and cause injury.*
3.Hold tool by insulated gripping surfaces *when performing an operation where the cutting tool may contact hidden wiring or its own cord.*
4.Make sure the grinding wheel is not contacting the work piece before the switch is turned on.
5.Grinding wheel and guard must be securely attached as ***described in this operating manual before connecting the angle grinder to power source.***
6.Grinding wheel must be stored in a dry place.
7.Always hold the grinder firmly with two hands *while working and at all times when it is running.*
8.Use only quality certified grinding wheels.
9.Keep hands away from rotating parts.
10.Be careful not to damage the spindle, outer flange and inner flange. *Damage to these parts could result in wheel breakage.*
When starting the tool (install with a new or replacement wheel), *hold the tool in a well protected area and let it run for one minute to check if the wheel is good or not. Never start the tool while the operator is standing in line with the wheel.*

FEATURES

Please refer to Fig.1 to familiarize yourself with the major components of this tool before using it.
1. Spindle Lock Button
2. On/Off Switch Button
3. Auxiliary Handle
4. Wheel Guard
5. Outer Flange

Fig. 1

ASSEMBLY

Warning! Prior to assembly and adjustment always unplug the tool.

Installing the Grinding Wheel

1. Depress and hold down the spindle lock. To prevent damage to spindle or spindle lock, always allow motor to come to a complete stop before engaging spindle lock.
2. Remove the outer flange with spanner turning in counter-clockwise direction. Do not remove the inner flange.
3. Make sure the slot on the inner flange is engaged with the square neck of the spindle.
4. Place the grinding wheel over the spindle with the depressed center against the inner flange.
5. Depress and hold down the spindle lock again, mount the outer flange and securely tighten it with spanner provided clockwise. Do not over tighten

Mounting the Auxiliary Handle

The tool has three screwed holes on top, left and right side of the gear housing. Operators can choose any one of them to mount the auxiliary handle depending on specific working condition and their own habit.

Mounting and Adjusting the Wheel Guard

This tool comes with a wheel guard. The guard must be fitted before using the tool.
1.Loosen the screw on the collar of the wheel guard with a screwdriver.
2.Align the protruding part inside the circular collar with the notch on the front cap. Mount the collar fully onto the front cap.
3.Turn the wheel guard to a desired angle after the collar is fully inserted. Retighten the screw to secure the wheel guard.

OPERATION

This angle grinder is designed for the following purposes:
1.Removal of casting burrs and finishing on various types of steel, bronze, aluminum materials and castings
2.Beveling and finishing weld seams
3.Grinding of welded sections cut by means of welding
4.Grinding of synthetic resin bricks, marbles, etc.
5.Cutting thin wall tubes and small size metal materials

CAUTION! Never cover air vents. They must always be open for proper motor cooling.

To start your grinder:

1. Plug the cord set into a power socket.
2. The grinder will be turned on when the on/off switch is pushed forward to the end.
3. For continuous operation, press at the front end of the switch button to make it engaged in the "on" position.

To stop your grinder:

Release the on/off switch. Or press at the end of the switch button to make it spring back when the switch is engaged in the lock-on position.

For Proper Operations

1.Before starting the grinder, put on safety glasses and make sure that the grinding wheel, guard and the tool are in good condition and correctly fitted.
2.Always hold the tool firmly with one hand on the rear handle and the other on the side handle.
3.Turn the angle grinder on and then apply the grinding wheel to the work piece.
4.In general, keep the edge of the wheel at an angle of about 30° for roughing and about 15° for finishing.
5.Move the grinder back and forth or up and down over the work area.
6.Use just enough pressure to keep the grinder from chattering or bouncing.
7.Avoid overloading the tool for a long time, heavy pressure will decrease its speed and put a strain on the motor .
8.Lift the grinder away from the work piece before turning your grinder off.

WARNING!

Never use your grinder without wearing eye protection. Following this rule will reduce the risk of serious personal injury.

DANGER!

1.Never attach a wood cutting or carving blade of any type to this angle grinder.
2.Never use your grinder with guard removed.
3.Failure to follow these rules could result in serious personal injury.

WARNING!

If any of the following events occurs during normal operation, the power supply should be shut off immediately and then the tool should be inspected thoroughly by a qualified person and repaired, if necessary.
1.The rotating parts get stuck or speed drops abnormally low.
2.The tool shakes abnormally and accompanied by some unusual noise.
3.The motor housing gets abnormally hot.
4.Heavy sparks occuring around the motor area.

MAINTENANCE WARNING!

Maintenance and repair work should only be done by a qualified service technician.

When servicing a tool, it's recommended to use only spare parts provided by the manufacturer of the tool. Preventive maintenance performed by unauthorized personnel may result in misplacing of internal wires and components which could cause serious hazard.

CAUTION!

Always be sure that the tool is switched off and unplugged before attempting to perform inspection or maintenance. Regularly clean the tool's air vents with compressed dry air. Do not attempt to clean by inserting pointed objects through openings.

CAUTION!

Certain cleaning agents and solvents may damage plastic parts. These include: gasoline, carbon tetrachloride, chlorinated cleaning solvents, ammonia and household detergents that contain ammonia.
To ensure safe use and maximize service life of your tool, the following instructions should be observed:
1. Regularly inspect the grinding wheel. Ensure that the grinding wheel is free of cracks and surface defects. Replace the grinding wheel when it has worn out.
2. Regularly inspect all mounting screws and ensure that they are properly tightened.
3. Regularly clean the air vents of the tool.

4. Check and replace carbon brushes when necessary. When it's necessary, peel off the labels on both sides of the tool. Remove the carbon brush caps with screwdriver. Pull out the carbon brushes for inspection. If the brushes are worn out, they should be replaced with a new pair of brushes. Note that the brushes must be replaced in pairs. Make sure the brush can slide freely inside the brush holder. Replace the brush caps and tighten them with screws. Be careful not to over tighten the screws.

Limited Manufacturer Warranty

North American Tool (NAT) Industries makes every effort to ensure that this product meets high quality and durability standards. NAT warrants to the original retail consumer a 1-year limited warranty from the date the product was purchased at retail and each product is free from defects in materials. Warranty does not apply to defects due directly or indirectly to misuse, abuse, negligence or accidents, repairs or alterations, or a lack of maintenance. NAT shall in no event be liable for death, injuries to persons or property, or for incidental, special or consequential damages arising from the use of our products. To receive service under warranty, the original manufacturer part must be returned for examination by an authorized service center. Shipping and handling charges may apply. If a defect is found, NAT will either repair or replace the product at its discretion.

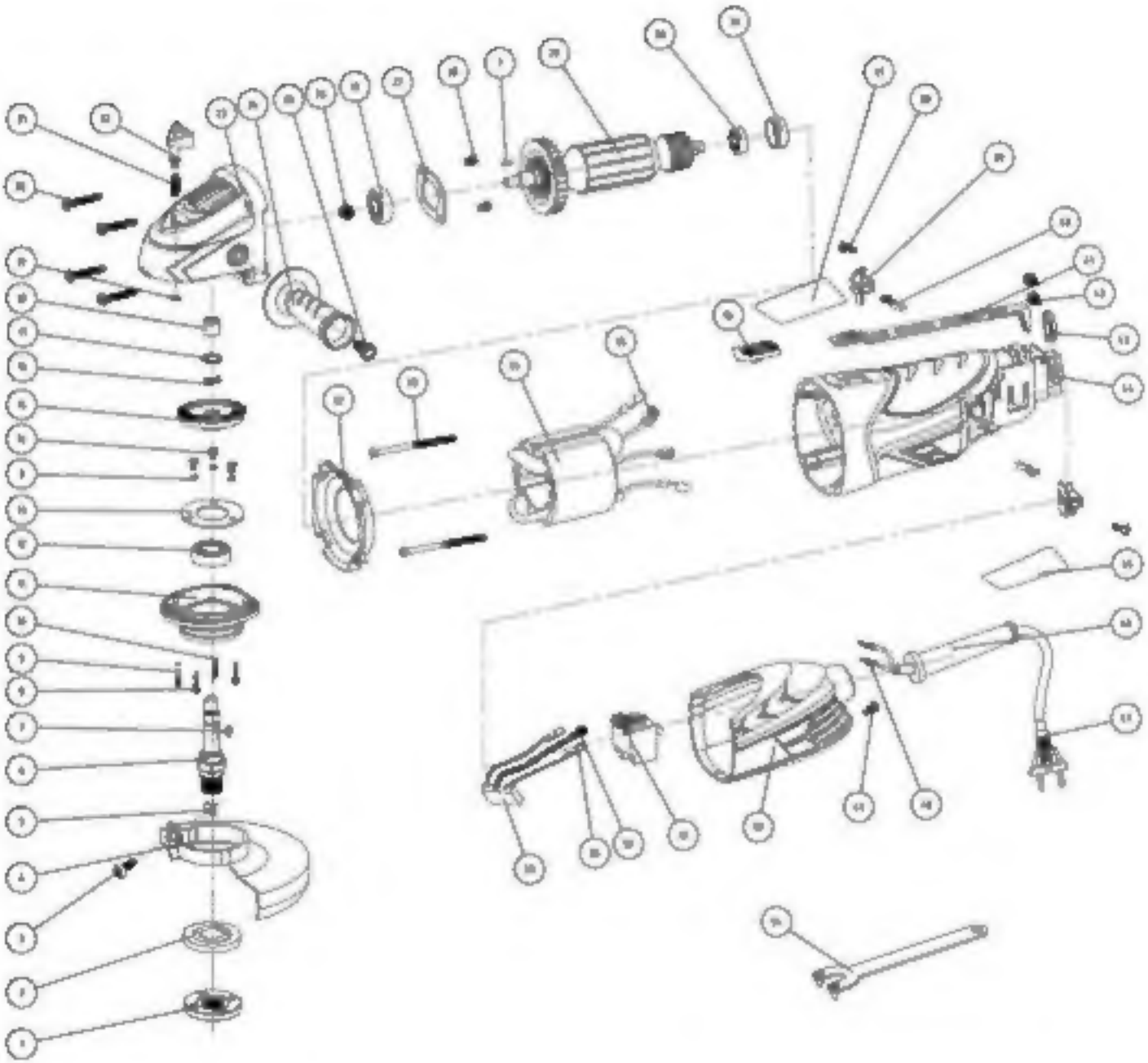
DO NOT RETURN TO STORE

For Customer Service:
Email: feedback@natitools.com or Call 1-800-348-5004

4 1/2 INCH ANGLE GRINDER

Model: 7361

Parts List



Call 1-800-348-5004 for assistance or replacement parts

Please provide the following information:

- *Model number*
- *Part description and number as shown in parts list*
- *Serial number (if any)*

Address any correspondence to;

North American Tool Industries
84 Commercial Rd
Huntington, IN 46750

NO	Description	QTY
1	Out Flange	1
2	Inner Flange	1
3	Philips Pan Head Screw	1
4	Wheel Guard	1
5	Square Nut M5	1
6	Output Spindle	1
7	Woodruff Key	2
8	Philips Pan Head Screw	4
9	Spring Washer 4	7
10	Flat Washer 4	4
11	Fore cover	1
12	Bearing	2
13	Bearing Retaining Plate	1
14	Philips Pan Head Screw M4X8	3
15	Bevel Gear	1
16	10 Wave Washer	1
17	10 Circlip for Shaft	1
18	Oil Bearing	1
19	Shaft 5	1
20	Philipas Pan Head Screw	4
21	Self-lock spring	1
22	Self-lock pin	1
23	Gearing housing	1
24	Side handle	1
25	Hexagon Bolt M8X16	1
26	Small Gear	1
27	Bearing Retainig Plate	1

NO	Description	QTY
28	Philips Pan Head Screw M4X8	2
29	Rotor	1
30	Bearing 607-2Z	1
31	Bearing Sleeve	1
32	Air Baffle Plate	1
33	Philips Pan Head Screw	2
34	Stator	1
35	2.8 Crimped Lug	6
36	Pull Rod Button	1
37	Nameplate	1
38	Philips Pan Head Screw	2
39	Brush Holder	2
40	Carbon Brush	2
41	Pull Rod	1
42	Philips Pan Head Screw	2
43	Cord Plate	1
44	Housing	1
45	Brand	1
46	Cable Sleeve	1
47	Cable Plug	1
48	Y Lug	2
49	Philips Pan Head Screw	1
50	Rear Cover	1
51	Switch	1
52	.2 Connecting Ring	1
53	0.22F Capacitor	1
54	Spanner	1